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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------------|---------------------|------------------|
| 09/931,631 | 08/16/2001 | Michael Joseph Delcheccolo | RTN-108AUS | 2725 |

22494 7590 11/06/2002

DALY, CROWLEY & MOFFORD, LLP
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CANTON, MA 02021-2310

[REDACTED] EXAMINER

SOTOMAYOR, JOHN B

[REDACTED] ART UNIT

[REDACTED] PAPER NUMBER

3662

DATE MAILED: 11/06/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | |
|------------------------------|-------------------|--------------------|
| Office Action Summary | Application No. | Applicant(s) |
| | 09/931,631 | DELCHECCOLO ET AL. |
| | Examiner | Art Unit |
| | John B. Sotomayor | 3662 |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
 - 2a) This action is FINAL. 2b) This action is non-final.
 - 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.
- Disposition of Claims**
- 4) Claim(s) 1-6 is/are pending in the application.
 - 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 - 5) Claim(s) 6 is/are allowed.
 - 6) Claim(s) 1-5 is/are rejected.
 - 7) Claim(s) _____ is/are objected to.
 - 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 25 January 2002 is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on 25 January 2002 is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>3,5,7,8,11</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed January 7, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.
2. The information disclosure statement filed March 19, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.
3. The information disclosure statement filed May 10, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.
4. The information disclosure statement filed June 4, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.
5. The information disclosure statement filed June 24, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.
6. The information disclosure statement filed September 13, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.
7. The information disclosure statement filed October 8, 2002 has been entered and considered. An initialed copy of the PTO-1449 by the Examiner is attached.

Specification

8. The disclosure is objected to because of the following informalities: The related application data should be provided and/or updated.

Appropriate correction is required.

Drawings

9. The proposed drawing correction and/or the proposed substitute sheets of drawings, filed on January 25, 2002 have been approved. A proper drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The correction to the drawings will not be held in abeyance.

10. The corrected or substitute drawings were received on January 25, 2002. These drawings are acceptable.

Claim Rejections - 35 USC § 102

11. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

12. Claims 1-5 are rejected under 35 U.S.C. 102(a) and/or (e) as being clearly anticipated by Gunderson et al ('803 B1).

The claim is considered to be clearly met by Gunderson et al ('803 B1) who show a near object detection radar systems for use in an automotive obstacle detection warning radar system including, inter alia, a plurality of sensors which provide detection coverage in a "predetermined coverage zone". Figures 2, 5c, 14, 15, 16, and 22 all depict coverage zones for the object detection radar system having various sensors about the periphery of the vehicle.

Allowable Subject Matter

13. Claim 6 is allowed.

Conclusion

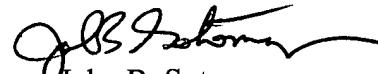
14. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The cited prior art show various object detection systems.

15. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John B. Sotomayor whose telephone number is 703-306-4170. The examiner can normally be reached on Monday to Friday from 8:30AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom H. Tarca, can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-305-7687.

Art Unit: 3662

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.



John B. Sotomayor
Primary Examiner
Art Unit 3662